

CLAIMS

What is claimed is:

1. A network system comprising:

at least one virtual network operator for providing virtual networks and network services to subscribers;

at least one network company for providing usage of a network to the at least one virtual network operator; and

a network broker for providing an interface between the at least one network company and the at least one virtual network operator.

2. The network system of claim 1, the network broker comprising;

a virtual network operator interface for interfacing the at least one virtual network operator and the network broker;

a real-time call control and common service platform for providing real-time billing; and

a network company interface for interfacing the at least one network company and the network broker.

3. The network system of claim 2, the virtual network operator interface comprising;

a circuit switch control;

a common service platform application program interface; and
a billing application program interface.

4. The network system of claim 2, the network company interface comprising;
a circuit switch for providing a call data signal; and
a packet switch for providing a call information signal.
5. The network system of claim 2, wherein the real-time call control and common service platform begin processing when a subscriber initiates a call and before the call is connected.
6. The network system of claim 1, wherein the network comprises a telephone, wireless, cable, communication, satellite, or computer network or a combination of these networks.
7. The network system of claim 2, further comprising;
at least one content provider for providing content for the virtual network operator.
8. The network system of claim 8, the network broker further comprising a content provider interface for interfacing the at least one content provider and the network broker.

9. A network system comprising:
- a virtual network operator for providing network services to subscribers;
 - a network company for providing usage of a network to the virtual network operator; and
 - a network broker for interfacing the network company and the virtual network operator; the network broker further comprising:
 - a virtual network operator interface for interfacing the virtual network operator and the network broker;
 - a real-time call control and common service platform for providing real-time billing services; and
 - a network company interface for interfacing the network company and the network broker.
10. The network system of claim 9, the virtual network operator interface comprising:
- a circuit switch control;
 - a common service platform application program interface; and
 - a billing application program interface.
11. The network system of claim 9, the network company interface comprising:
- a circuit switch for providing a call data signal; and

a packet switch for providing a call information signal.

12. The network system of claim 9, wherein the real-time call control and common service platform begin processing when a subscriber initiates a call and before the call is connected.

13. The network system of claim 9, wherein the network comprises a telephone, wireless, cable, communication, satellite, or computer network or a combination of these networks.

14. The network system of claim 9, further comprising:
a content provider for providing content for the virtual network operator.

15. The network system of claim 14, the network broker further comprising a content provider interface for interfacing the content provider and the network broker.

16. A network system comprising:
at least one virtual network operator for providing network services to subscribers;
at least one network company for providing usage of a network to the at least one virtual network operator; and
a network broker for interfacing the at least one network company and the at least one virtual network operator; the network broker further comprising;

a virtual network operator interface for interfacing the at least one virtual network operator and the network broker, the virtual network operator interface comprising;

a circuit switch control;

a common service platform application program interface; and

a billing application program interface;

a real-time call control and common service platform for providing real-time billing services; and

a network company interface for interfacing the at least one network company and the network broker, the network company interface comprising;

a circuit switch for providing a call data signal; and

a packet switch for providing a call information signal.

17. The network system of claim 16, wherein the real-time call control and common service platform begin processing when a subscriber initiates a call and before the call is connected.

18. The network system of claim 16, wherein the network comprises a telephone, wireless, cable, communication, satellite, or computer network or a combination of these networks.

19. The network system of claim 16, further comprising;

at least one content provider for providing content for the at least one virtual network operator.

20. The network system of claim 19, the network broker further comprising a content provider interface for interfacing the at least one content provider and the network broker.